



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3672-7

Job Sheet 169067



5019308

Part No: D3672-7

Job Qty: 1,000 ea

Part Name: Washer, Phenolic



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/30/17

Job Tracking No:

Due Date: 12/7/17

Created By: Mario Poulin

Type: Stock

Description:

Note: DWG-REV D IPP Rev:A New Issue 07-10-30 DD Verified By:ec IPP Rev:B ECN 1056 07-11-13 DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1,000 pcs	12/7/17	12/7/17	0.00	0.00	Purchasing		SPR-D9.
110	Packaging	1,000 pcs	12/7/17	12/7/17	0.00	0.00	Packaging2		SPR-D9.
120	QC	1,000 pcs	12/7/17	12/7/17	0.00	0.00	QC6		38
130	Packaging	1,000 pcs	12/7/17	12/7/17	0.00	0.00	Packaging3-1		9-89 SRL
140	QC21-SA	1,000 Ea	12/7/17	12/7/17	0.00	0.00	QC21		

Part Op 100 - Issue P/O: 038522 Purchase Part Number: MM .562 OD X .328 ID X .031 +/- .002 NOV 30 2017
Descriptions: 110 - Ensure certificate of conformity is attached

DEC 1 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	D3672-7P	1,000	0	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



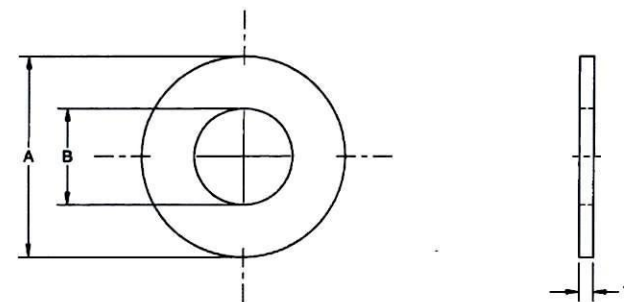
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
		OTHER :			

SPECIFICATION CONTROL DRAWING

DART P/N	A (IN)	B (IN)	T (IN)	SUPPLIER P/N	REPLACES
D3672-1	0.437	0.210	0.031	MM.437OD X .210ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM.500OD X .267ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.063	MM.562OD X .326ID X .062 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.326	0.031	MM.562OD X .326ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5L
D3672-9	0.625	0.390	0.031	MM.625OD X .390ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM.750OD X .453ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM.875OD X .515ID X .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8L
D3672-15	0.437	0.210	0.063	MM.437OD X .210ID X .063 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3
D3672-17	0.500	0.267	0.063	MM.500OD X .267ID X .063 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4
D3672-19	0.875	0.515	0.063	MM.875OD X .515ID X .063 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8



D3672-X PHENOLIC WASHER

RELEASED

2016 JUN 22
ECN 16-661

- NOTES:**
- 1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. P/N PER TABLE (IN QUANTITIES OF 1000)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: LESS THAN 0.01 lbs

APPROVED

DESIGN	ML	DART AEROSPACE LTD	
DRAWN	MB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.	DD	D3672	SHEET 1 OF 1
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	PHENOLIC WASHER	NTS
DATE	16.05.26	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038522

Supplier: HAS002-VC
Haskins Industrial
5-52 Antares Drive
Nepean
ON
K2E 7Z1 Canada
Phone: 613 723 8800
Fax: 613 723 8806

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038522
PO Date: 11/30/17
Due Date: 12/5/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Phone:

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

E-MAILED
NOV 30 2017

Revised
8

Items

Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	D3672-7P	Washer As per Dwg D3672 Rev.D	Firmed	12/5/17	1,000 pcs	0 pcs 1,000 X	1,000 pcs	\$0.34137 1,341.37	\$341.30

Line Item Note job# 169067

Grand Total: \$341.30

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/30/17 12:49 PM Dart.baker.diane

HASKINS INDUSTRIAL INC.
5-52 ANTARES DRIVE

*** B A C K O R D E R ***

Order # 1267580.0

NEPEAN, ONTARIO K2E 7Z1
TEL (613)723-8800 FAX (613)723-8806

Order Date 11/30/17

Page 1 of

Sold To: DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY
ON
K6A 1K7

Ship To: DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY
ON
K6A 1K7

Cust Phone #	Warehouse	F.O.B.	Taken By
	OTTAWA	DEST WOG	Sylvie 613-723-88

Cust #	Customer P/O #	Required	Orig Order	Slsm	Ship Via	Terms
05168	038522	12/01/17	1267580.00	PL	DICOM	NET 30

Ln#	Bin #	Order UM	Ship	B/O Product	Description
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1	CAB810	1000	EA	1000	MMS-D3672-7	.562 X .328 X .031 +/- .005 WASHER, PHENOL
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DAS
38
9-88

81109

PLEASE NOTE:

1. NO RETURNS WITHOUT PRIOR AUTHORIZATION
2. ALL SHORTAGE CLAIMS MUST BE WITHIN 10 DAYS
3. BO CODE: BO = QTY NOT SHIPPED IS BACK-ORDERED
CL= QTY NOT SHIPPED WAS CANCELLED
SC= ITEM CONSIDERED COMPLETE - NO B/O CREATED

FILL PACK DATE
Printed on 2017-12-07 at 9:47

12/7/17

DART
AEROSPACE
S019309

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1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Washer, Phenolic

PART NO: D3672-7
Revision:
Operation: Purchasing
Change No:

Mfg Date: 12/09/17 Job No: 169067
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